

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) ~~An A cast exhaust system for gas turbine or internal combustion engines comprising pressure-containing components comprising an air melted, substantially graphite and nitrogen-free cast alloy, aged or not aged by precipitation hardening, specially adapted for gas turbine or internal combustion engine exhaust system parts, comprising a graphite-free microstructure of~~ comprising the following composition:

Carbon	max 0.4 0.01 to 0.4 wt. %
Silicon	0.5 to 6 wt. %
Manganese	0.1 to 4.5 1.5 wt. %
Phosphorous	0.01 to 0.08 wt. %
Nickel	13 13.5 to 38 wt. %
Chromium	0 0.5 to 6 wt. %
Molybdenum	0.1 to 4 wt. %
Sulphur	max 0.12 wt. %
Nitrogen	max 0.02 wt. %
Iron	balance.

Claim 2 (Cancelled).

3. (Currently Amended) ~~Alloy as in~~ The cast exhaust system of claim 1 further comprising maximum 1 wt. % of copper.

4. (Currently Amended) ~~Alloy as in~~ The cast exhaust system of claim 1 ~~or 2~~ further comprising ~~Copper~~ copper in a range of 0.5 to 8 wt. % and wherein the nickel concentration is in a range of 13.5 to 22 wt. %.

5. (Currently Amended) ~~Alloy as in~~ The cast exhaust system of claim 1 further comprising:

Niobium	1 to 5 wt.%
Titanium	max 1 wt.%
Aluminium	max 1 wt.%.

6. (Currently Amended) ~~Alloy as in~~ The cast exhaust system of claim 1 further comprising:

Niobium	max 2 wt.%
Tungsten	max 4 wt.%
Zirconium	max 1 wt.%
Vanadium	max 1 wt.%.

7. (Currently Amended) A process ~~Process~~ for the manufacturing of the cast exhaust system of ~~composition disclosed in~~ claim 5, wherein said cast alloy is strengthened by precipitation hardening of $(\text{Ni}_3[\text{Al}, \text{Ti}])$, $(\text{Ni}_3[\text{Nb}, \text{Al}, \text{Ti}])$, or (Ni_3Nb) .

8. (Currently Amended) A process ~~Process~~ for the manufacturing of the cast exhaust system of ~~composition disclosed in~~ claim 1, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .

Claim 9 (Cancelled).

10. (New) The cast exhaust system of claim 1, wherein said alloy is aged by precipitation hardening.

11. (New) The cast exhaust system of claim 5, wherein said cast alloy is strengthened by precipitation hardening of $\text{Ni}_3 [\text{Al}, \text{Ti}]$, $\text{Ni}_3 [\text{Nb}, \text{Al}, \text{Ti}]$, or Ni_3Nb .

12. (New) The cast exhaust system of claim 1, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .

13. (New) The cast exhaust system of claim 3, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .

14. (New) The cast exhaust system of claim 4, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .

15. (New) A process for the manufacturing of the cast exhaust system of claim 3, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .

16. (New) A process for the manufacturing of the cast exhaust system of claim 4, wherein said cast alloy is strengthened by precipitation hardening of Mo_2C .